

IN THE CLAIMS:

1. (Original) A method for operating a mobile equipment (ME) in a wireless network, comprising steps of:

determining a value of a parameter that indicative of a signal quality experienced by the ME;

calculating in the ME an indication of link quality, the calculation employing a filtering operation having a filter length that is a function of the determined parameter; and

reporting the calculated indication of link quality to the wireless network.

2. (Original) A method as in claim 1, wherein the step of determining comprises steps of:

deriving an indication of ME speed in the wireless network; and

transmitting the speed indication to the ME.

3. (Original) A method as in claim 2, wherein the step of transmitting uses a point-to-point message.

4. (Original) A method as in claim 2, wherein the step of transmitting places the speed indication in padding bits of a point-to-point message.

5. (Original) A method as in claim 2, wherein the step of transmitting uses a message sent on a Packet Associated Control Channel (PACCH).

6. (Currently Amended) A method ~~as in claim 2,~~ for operating a mobile equipment (ME)

in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the ME;

calculating in the ME an indication of link quality, the calculation employing a filtering operation having a filter length that is a function of the determined parameter; and

reporting the calculated indication of link quality to the wireless network;

wherein determining comprises,

deriving an indication of ME speed in the wireless network; and

transmitting the speed indication to the ME, and

wherein the step of transmitting uses a message sent in a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

7. (Currently Amended) A method ~~as in claim 2,~~ for operating a mobile equipment (ME) in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the ME;

calculating in the ME an indication of link quality, the calculation employing a filtering operation having a filter length that is a function of the determined parameter; and

reporting the calculated indication of link quality to the wireless network;

wherein determining comprises,

deriving an indication of ME speed in the wireless network; and

transmitting the speed indication to the ME, and

wherein the step of transmitting uses a plurality of bits placed into a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

8. (Currently Amended) A method ~~as in claim 2;~~ for operating a mobile equipment (ME) in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the ME;

calculating in the ME an indication of link quality, the calculation employing a filtering operation having a filter length that is a function of the determined parameter; and

reporting the calculated indication of link quality to the wireless network;

wherein determining comprises,

deriving an indication of ME speed in the wireless network; and

transmitting the speed indication to the ME, and

wherein the step of transmitting uses a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control

Channel (PACCH).

9. (Currently Amended) A method ~~as in claim 2,~~ for operating a mobile equipment (ME)
in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the
ME;

calculating in the ME an indication of link quality, the calculation employing a filtering
operation having a filter length that is a function of the determined parameter; and

reporting the calculated indication of link quality to the wireless network;

wherein determining comprises,

deriving an indication of ME speed in the wireless network; and

transmitting the speed indication to the ME, and

wherein the step of transmitting uses a plurality of bits for indicating a plurality of speed
subranges of a speed range.

10. (Currently Amended) A method ~~as in claim 2,~~ for operating a mobile equipment (ME)
in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the
ME;

calculating in the ME an indication of link quality, the calculation employing a filtering

operation having a filter length that is a function of the determined parameter; and

reporting the calculated indication of link quality to the wireless network;

wherein determining comprises,

deriving an indication of ME speed in the wireless network; and

transmitting the speed indication to the ME, and

wherein the step of transmitting uses four bits for indicating 16 speed subranges within a speed range.

11. (Original) A method as in claim 1, wherein the determined parameter is used to modify a forgetting factor that influences a length of a filter that operates on link quality measurement data.

12. (Original) A method as in claim 1, wherein the determined parameter is used to calculate a forgetting factor that influences a length of a filter that operates on link quality measurement data.

13. (Original) A method as in claim 1, wherein the determined parameter is used to modify a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing a length of a filter that operates on link quality measurement data.

14. (Original) A method as in claim 1, wherein the determined parameter is used to replace a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing a length of a filter that operates on link quality measurement data.

15. (Original) A method as in claim 1, wherein the step of calculating takes into account a derivative of a speed of the ME.

16. (Original) A method as in claim 1, wherein the step of calculating operates on a plurality of measurements of one of a mean Bit Error Probability (BEP) or a coefficient of variation of a Bit Error Probability (cv)(BEP).

17. (Original) A wireless communications system comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, further comprising a unit in said wireless network for deriving an indication of a speed of said ME within the serving cell; a transmitter in said wireless network for transmitting the indication of the ME speed to the ME; a receiver in said ME for receiving said transmitted speed indication; and a processor in said ME for implementing a filter for filtering a sequence of link quality measurement data, said filter having a filter length that is a function of a parameter having a value that is a function of said received transmitted speed indication; and a transmitter in said ME for transmitting an indication of said filtered link quality measurement data to a receiver of said wireless network.

18. (Original) A wireless communications system as in claim 17, wherein link quality measurement data is comprised of one of a mean Bit Error Probability (BEP) or a coefficient of variation of Bit Error Probability (cv)(BEP).

19. (Currently Amended) A wireless communications system as in claim 17 comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, further comprising a unit in said wireless network for deriving an indication of a speed of said ME within the serving cell; a transmitter in said wireless network for transmitting the indication of the ME speed to the ME; a receiver in said ME for receiving said transmitted speed indication; and a processor in said ME for implementing a filter for filtering a sequence of link quality measurement data, said filter having a filter length that is a function

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of a parameter having a value that is a function of said received transmitted speed indication;
and a transmitter in said ME for transmitting an indication of said filtered link quality
measurement data to a receiver of said wireless network, wherein said transmitter in said wireless
network transmits the indication of the ME speed by using a plurality of bits placed into padding
bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control
Channel (PACCH).

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20. (Original) A method for operating a wireless communications system comprised of
a wireless network and a plurality of mobile equipment (ME) located in at least one serving cell
of said wireless network, comprising steps of:

determining in the wireless network an indication of a signal quality experienced by
individual ones of the plurality of ME;

transmitting the determined indications to individual ones of the ME using a point-to-
point message;

in a particular one of the plurality of ME, receiving the transmitted indication;

using the received indication for setting a length of a filter that is employed in a filtering
operation that operates on a sequence of link quality measurement data; and

transmitting a result of the filtering operation to the wireless network.